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TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 OCT 23 The Derwent World Patents Index suite of databases on STN
has been enhanced and reloaded
NEWS 4 OCT 30 CHEMLIST enhanced with new search and display field
NEWS 5 NOV 03 JAPIO enhanced with IPC 8 features and functionality
NEWS 6 NOV 10 CA/Caplus F-Term thesaurus enhanced
NEWS 7 NOV 10 STN Express with Discover! free maintenance release Version
8.01c now available
NEWS 8 NOV 20 CA/Caplus to MARPAT accession number crossover limit increased
to 50,000
NEWS 9 DEC 01 CAS REGISTRY updated with new ambiguity codes
NEWS 10 DEC 11 CAS REGISTRY chemical nomenclature enhanced
NEWS 11 DEC 14 WPIDS/WPINDEX/WPIX manual codes updated
NEWS 12 DEC 14 GBFULL and FRFULL enhanced with IPC 8 features and
functionality
NEWS 13 DEC 18 CA/Caplus pre-1967 chemical substance index entries enhanced
with preparation role
NEWS 14 DEC 18 CA/Caplus patent kind codes updated
NEWS 15 DEC 18 MARPAT to CA/Caplus accession number crossover limit increased
to 50,000
NEWS 16 DEC 18 MEDLINE updated in preparation for 2007 reload
NEWS 17 DEC 27 CA/Caplus enhanced with more pre-1907 records
NEWS 18 JAN 08 CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS 19 JAN 16 CA/Caplus Company Name Thesaurus enhanced and reloaded
NEWS 20 JAN 16 IPC version 2007.01 thesaurus available on STN
NEWS 21 JAN 16 WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS 22 JAN 22 CA/Caplus updated with revised CAS roles
NEWS 23 JAN 22 CA/Caplus enhanced with patent applications from India
NEWS 24 JAN 29 PHAR reloaded with new search and display fields
NEWS 25 JAN 29 CAS Registry Number crossover limit increased to 300,000 in
multiple databases
NEWS 26 FEB 13 CASREACT coverage to be extended
NEWS 27 Feb 15 PATDPASPC enhanced with Drug Approval numbers
NEWS 28 Feb 15 RUSSIAPAT enhanced with pre-1994 records
NEWS 29 Feb 23 KOREAPAT enhanced with IPC 8 features and functionality
NEWS 30 Feb 26 MEDLINE reloaded with enhancements
NEWS 31 Feb 26 EMBASE enhanced with Clinical Trial Number field
NEWS 32 Feb 26 TOXCENTER enhanced with reloaded MEDLINE
NEWS 33 Feb 26 IFICDB/IFIPAT/IFIUDB reloaded with enhancements
NEWS 34 Feb 26 CAS Registry Number crossover limit increased from 10,000
to 300,000 in multiple databases

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items

NEWS IPC8 For general information regarding STN implementation of IPC 8
NEWS X25 X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 08:51:26 ON 28 FEB 2007

=> file caplus biosis embase scisearch medline
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	0.42

FILE 'CAPLUS' ENTERED AT 08:52:32 ON 28 FEB 2007
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FILE 'MEDLINE' ENTERED AT 08:52:32 ON 28 FEB 2007

=> s (docosaehaenoic with acid) or DHA
L1 36220 (DOCOSAHEXAENOIC WITH ACID) OR DHA

=> s (linoleic with acid) or (linolenic with acid)
L2 69593 (LINOLEIC WITH ACID) OR (LINOLENIC WITH ACID)

=> s (linoleic with acid) and (alpha with linolenic with acid)
L3 3137 (LINOLEIC WITH ACID) AND (ALPHA WITH LINOLENIC WITH ACID)

=> s L1 and L3
L4 1058 L1 AND L3

=> s L4 and ((brain with function) or (visual with identification) or (recognition with faculty) or (learning) or (memory))
L5 26 L4 AND ((BRAIN WITH FUNCTION) OR (VISUAL WITH IDENTIFICATION) OR (RECOGNITION WITH FACULTY) OR (LEARNING) OR (MEMORY))

=> duplicate remove L5
DUPLICATE PREFERENCE IS 'CAPLUS, BIOSIS'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L5
L6 23 DUPLICATE REMOVE L5 (3 DUPLICATES REMOVED)
 ANSWERS '1-16' FROM FILE CAPLUS
 ANSWERS '17-23' FROM FILE BIOSIS

=> d ibib abs 1-23

L6 ANSWER 1 OF 23 CAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 1

SOURCE: ST-DENIS, 75475 PARIS CEDEX 10, FRANCE
Journal of Nutrition, (1989) Vol. 119, No. 12, pp.
1880-1892.

CODEN: JONUAI. ISSN: 0022-3166.

DOCUMENT TYPE: Article

FILE SEGMENT: BA

LANGUAGE: ENGLISH

ENTRY DATE: Entered STN: 24 Apr 1990

Last Updated on STN: 25 Apr 1990

AB Feeding rats diets containing oils that have a low α - linolenic acid [18:3(n-3)] content, such as sunflower oil, results in reduced amounts of docosahexaenoic acid [22:6(n-3)] and increased amounts of docosapentaenoic acid [22:5(n-6)] in all brain cells and organelles compared to rats fed a diet containing soybean oil or rapeseed oil. During the period of cerebral development there is a linear relationship between the n-3 fatty acid content of the brain and that of food until α -linolenic acid represents .apprx. 200 mg/100 g food [0.4% of the total dietary energy for 18:3(n-3)]. Beyond that point brain levels reach a plateau. Similar values are also found for other organs. The level of 22:6(n-3) in membranes is little affected by the dietary quantity of linoleic acid [18:2(n-6)] if 18:3(n-3) represents .apprx. 0.4% of energy. In membranes from rats fed diets containing sunflower oil, Na⁺, K⁺-ATPase activity in nerve terminals was 60%, 5'-nucleotidase in whole brain homogenate was 80%, and 2',3'-cyclic nucleotide 3'-phosphodiesterase was 88% of that in membranes from rats fed diets containing soybean oil. A diet low in α - linolenic acid leads to anomalies in the electroretinogram, which partially disappear with age. It has little effect on motor activity, but it seriously affects learning tasks as measured with the shuttle box test. Rats fed a diet low in . alpha.-linolenic acid showed an earlier mortality in response to an intraperitoneal injection of a neurotoxin, triethyltin, than did rats fed a normal soybean oil diet.

=> d his

(FILE 'HOME' ENTERED AT 08:51:26 ON 28 FEB 2007)

FILE 'CAPLUS, BIOSIS, EMBASE, SCISEARCH, MEDLINE' ENTERED AT 08:52:32 ON 28 FEB 2007

L1 36220 S (DOCOSAHEXAENOIC WITH ACID) OR DHA
L2 69593 S (LINOLEIC WITH ACID) OR (LINOLENIC WITH ACID)
L3 3137 S (LINOLEIC WITH ACID) AND (ALPHA WITH LINOLENIC WITH ACID)
L4 1058 S L1 AND L3
L5 26 S L4 AND ((BRAIN WITH FUNCTION) OR (VISUAL WITH IDENTIFICATION
L6 23 DUPLICATE REMOVE L5 (3 DUPLICATES REMOVED)

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

111.12

111.54